

CLAIM LISTING:

1 - 45. (Previously Cancelled)

46. (Currently Amended) A charge processing device comprising:
detecting means for detecting position information indicating a position where a moving body is located;
matching means for matching the position information with predetermined map information;
setting means for, based on the map information, setting an area where a charge is applied which area corresponds to a predetermined area in the map information;
receiving means for receiving toll data including charge data, for each of a plurality of different moving body types, relating to the area where a charge is applied;
deciding means for, based on a result of a matching by the matching means, deciding an entry state indicating whether or not the moving body has at least entered into the area where a charge is applied; and
generating means for generating, based on a result of a deciding by the deciding means, charge information for the moving body, by using the received toll data.

47. (Previously Added) The charge processing device according to claim 46, the charge processing device further comprising location information detecting means for detecting, based on the position information, location information indicating date and time the moving body is located in the area in which a charge is applied, wherein the deciding means decides, based on the result of the matching by the matching means and a result of a detection by the location information detecting means, the entry state including a location state of the moving body within the area in which a charge is applied.

48. (Previously Amended) The charge processing device according to claim 46, wherein the generating means decides the entry state including a congestion state caused by moving bodies located in the area in which a charge is applied.

49. (Previously Added) The charge processing device according to claim 46, wherein the generating means is further provided with storage means in which predetermined

toll data corresponding to the entry state is stored in advance, and the generating means generates the charge information using the toll data in the storage means.

50. (Currently Amended) A charge processing device comprising:
host position detecting means for detecting a position of a host moving body;
transceiving means for , by wireless communication, transmitting position information of the host moving body to a ground station, and for receiving charge toll data including charge data, for each of a plurality of different moving body types, relating to an area where a charge is applied which area is set based on predetermined map information in correspondence with a predetermined area in the map information; and
charge processing means for performing charge processing relating to the area in which a charge is applied , at a predetermined period and based on a result of a transmission and reception by the transceiving means, wherein
the host position detecting means, the transceiving means, and the charge processing means are able to be mounted on a moving body.

51. (Previously Added) The charge processing device according to claim 50, wherein the charge processing means performs the charge processing using an IC card on which balance information is stored.

52 - 66. (Previously Cancelled)

67. (Currently Amended) A charge processing device comprising:
detecting means for detecting position information indicating a position where a moving body is located;
matching means for matching predetermined map information and the position information;
setting means for, based on the map information, setting an area where a charge is applied which area corresponds to a predetermined area in the map information;
deciding means for, based on a result of a matching by the matching means, deciding an entry state indicating whether or not the moving body has at least entered into the area where a charge is applied; and
making means for, based on a result of a decision by the deciding means, generating charge information for the moving body in the area where a charge is applied, as well as

making, at a predetermined timing period, a charge history of the generated charge information; and

transmitting means for transmitting the charge history of the charge information generated by the making means to a ground station,

wherein the making means generates charge information for each of a plurality of areas where a charge is applied, and accumulates the generated charge information as charge history.

68. (Currently Cancelled)

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69. (Previously Added) The charge processing device according to claim 67, wherein the detecting means detects the position information using satellite signals from satellites.

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70. (Currently Amended) A charge processing system comprising:
in-vehicle communication means comprising:

detecting means for detecting position information indicating a position where a moving body is located;

matching means for matching predetermined map information and the position information;

setting means for, based on the map information, setting an area where a charge is applied which area corresponds to a predetermined area in the map information;

deciding means for, based on a result of a matching by the matching means, deciding an entry state indicating whether or not the moving body has at least entered into the area where a charge is applied; and

making means for, based on a result of a decision by the deciding means, generating charge information for the moving body in the area where a charge is applied, as well as making, at a predetermined timing period, a charge history of the generated charge information; and

transmitting means for transmitting the charge history of the charge information generated by the making means to a ground station,

wherein the transmission means transmits charge history in accordance with an input transmission request, and

wherein the making means generates charge information for each of a plurality of areas where a charge is applied, and accumulates the generated charge information as charge history, and

on-road communication means having request means for performing the transmission request and processing means for performing charge settlement processing in a predetermined processing area and based on a transmitted charge history.

71. (Previously Amended) The charge processing system according to claim 70, wherein the on-road communication means is further provided with altering means for altering the amount of the charge settlement based on a duration of time until an arrival in the processing area.

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72. (Previously Amended) A charge processing device comprising:
detecting means for detecting position information indicating a position where a moving body is located;

a toll card capable of being inserted and removed for storing a predetermined area in which a charge is applied which area is set based on predetermined map information in correspondence with a predetermined area in the map information; and

generating means for, at a predetermined period, generating charge information for the moving body based on a result of a detection by the detecting means and the area in which a charge is applied stored in the loaded storage means.

73. (Previously Added) The charge processing device according to claim 72, wherein the generating means is provided with a reading means for reading a result of a detection by the detecting means and the area in which a charge is applied stored in the storage means, and generates charge information from the read position information and the area in which a charge is applied.

74 - 92. (Previously Cancelled)

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93. (Newly Added) The charge processing system according to claim 70, wherein the processing means, based on a transmitted charge history, determines whether vehicle position information or time information show unnatural vehicle behavior.